

FIG. 1

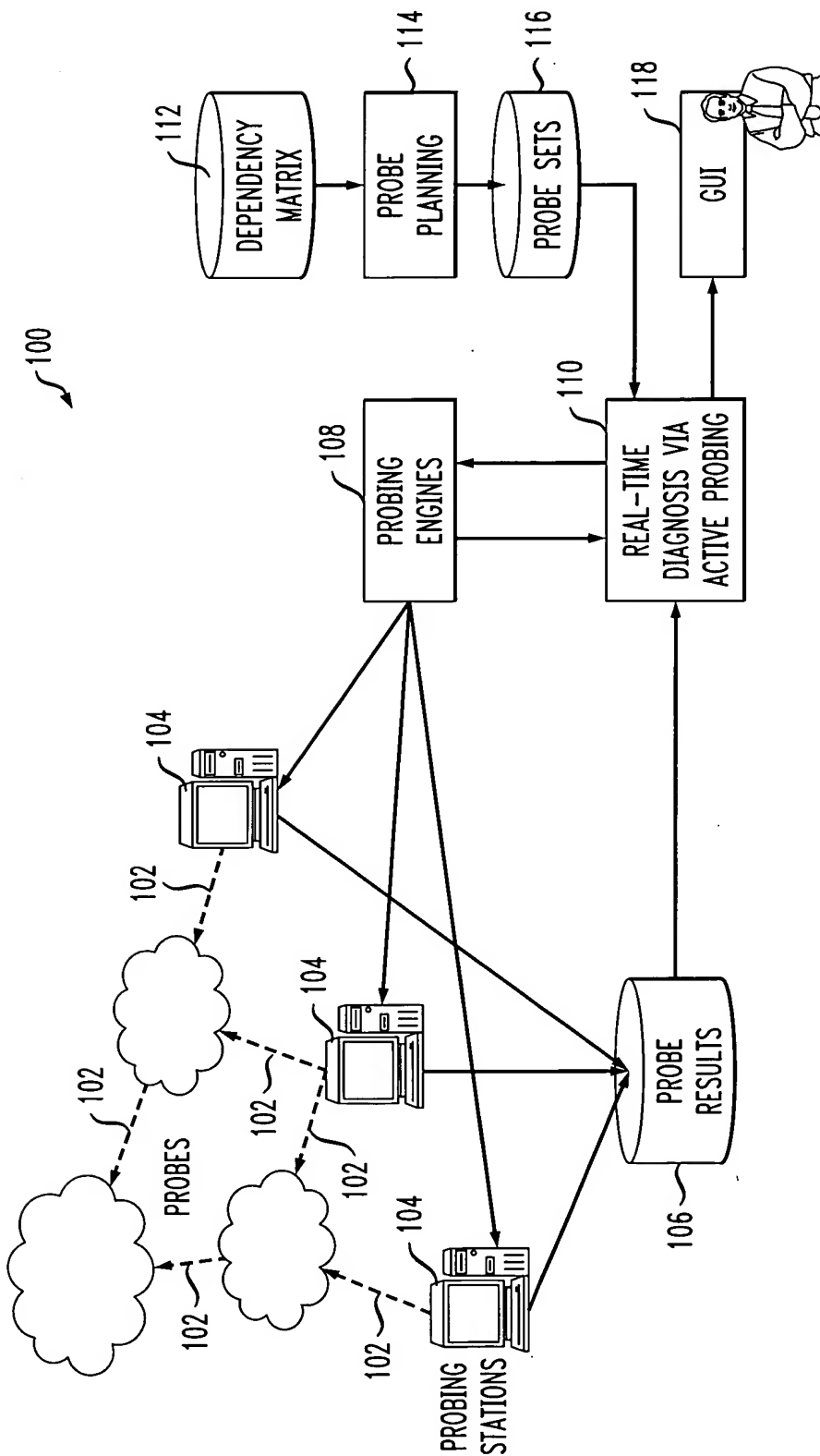


FIG. 2

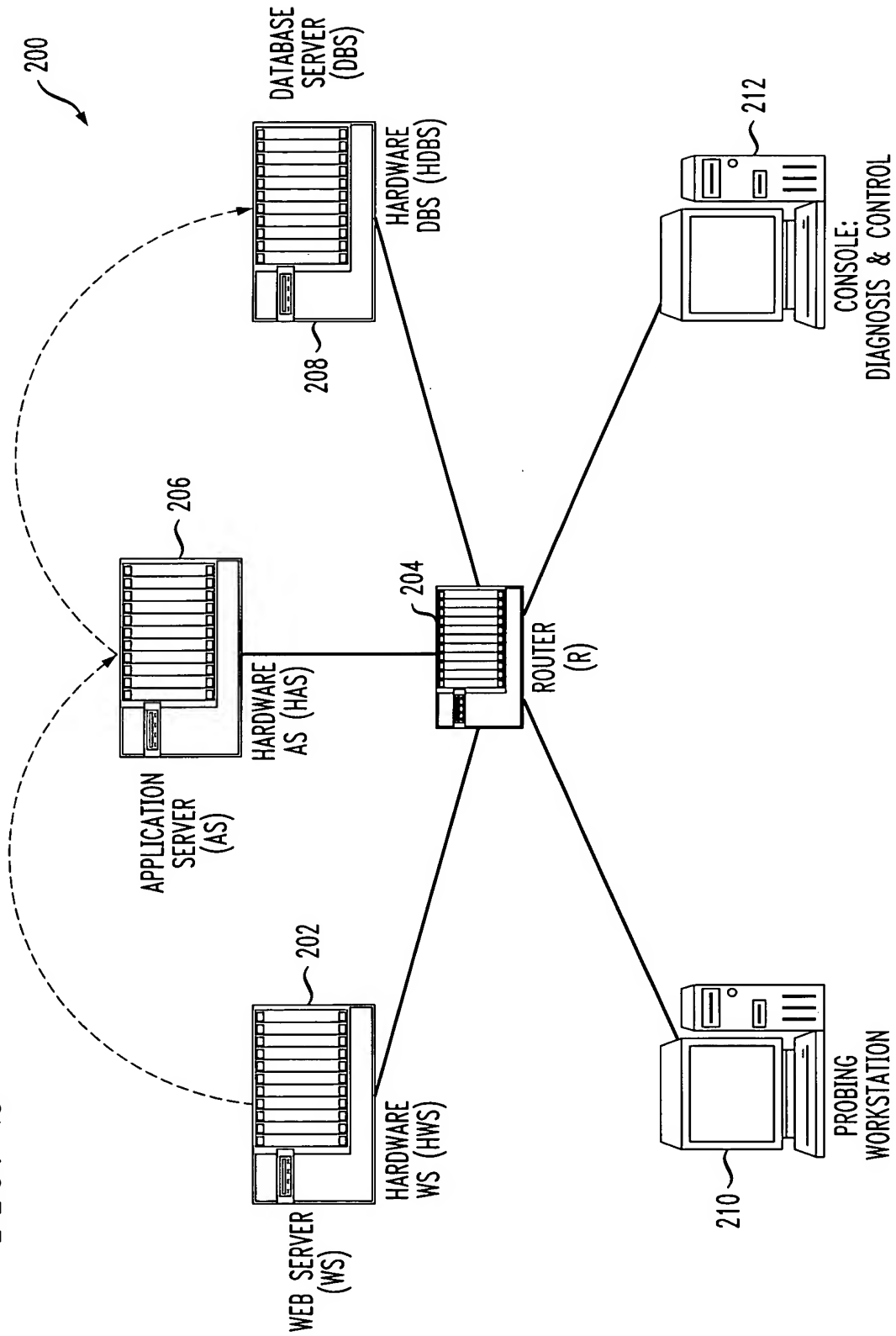


FIG. 3

DEPENDENCY MATRIX								
304	PROBLEM	WS	AS	DBS	R	HWS	HAS	HDBS
	PROBE							
	pWS	1	1	1	1	1	1	1
	pAS	0	1	1	1	0	1	1
	pDBS	0	0	1	1	0	0	1
	pingR	0	0	0	1	0	0	0
	pingWS	0	0	0	1	1	0	0
	pingAS	0	0	0	1	0	1	0
	pingDBS	0	0	0	1	0	0	1

PROBES:

**pWS** - WEB PAGE ACCESS  
**pAS** - APPLICATION SERVER ACCESS  
**pDBS** - DATABASE QUERY  
**pingR** - PING ROUTER  
**pingWS** - PING WEB SERVER  
**pingAS** - PING APPLICATION SERVER  
**pingDBS** - PING DATABASE SERVER

FIG. 4

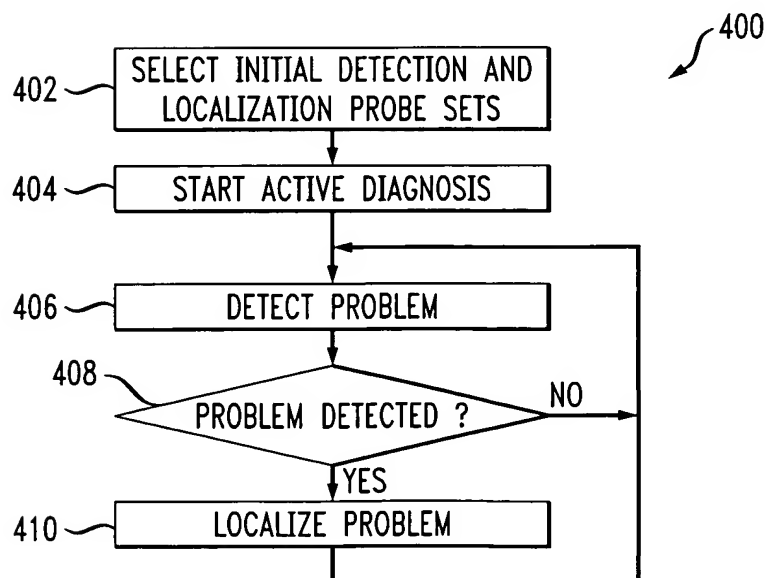


FIG. 5

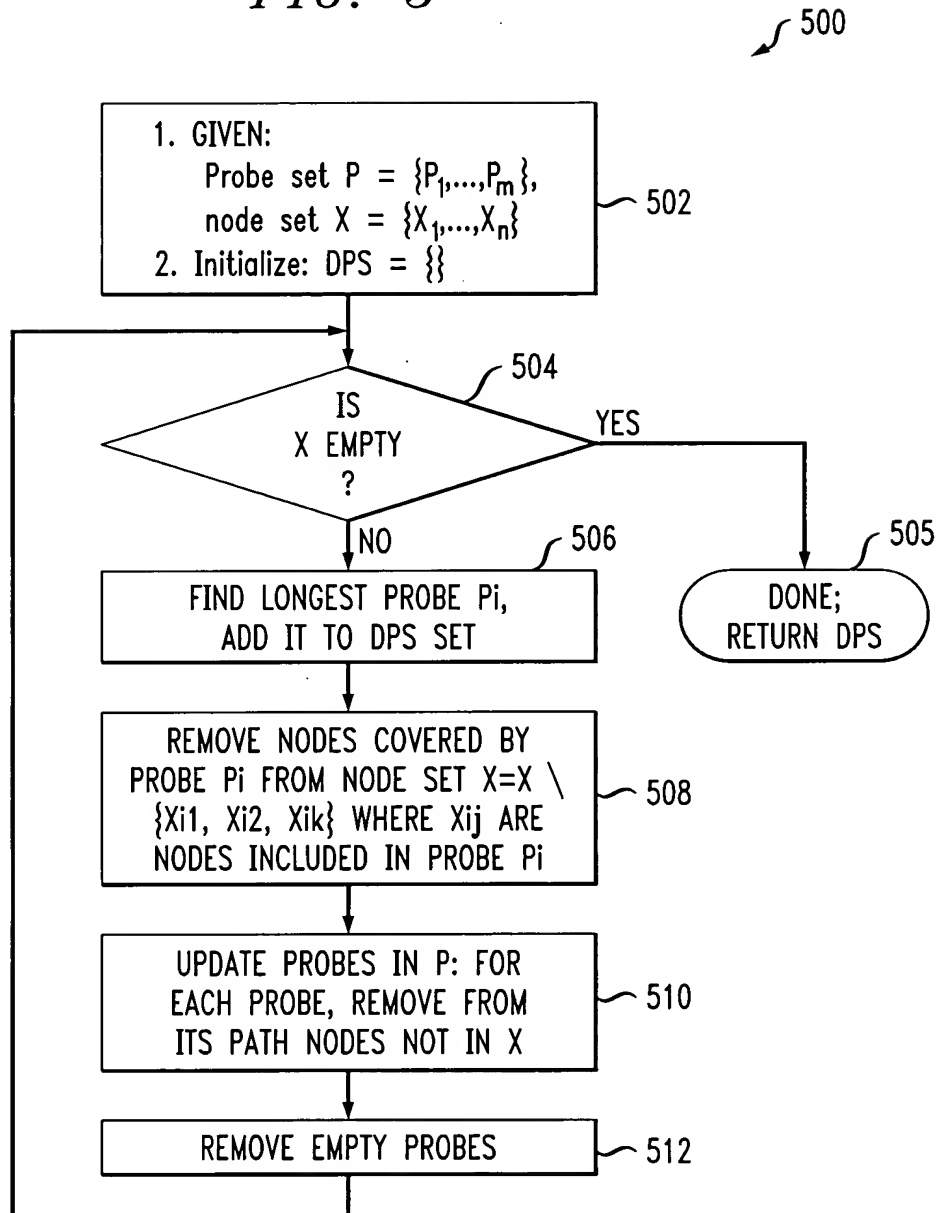


FIG. 6

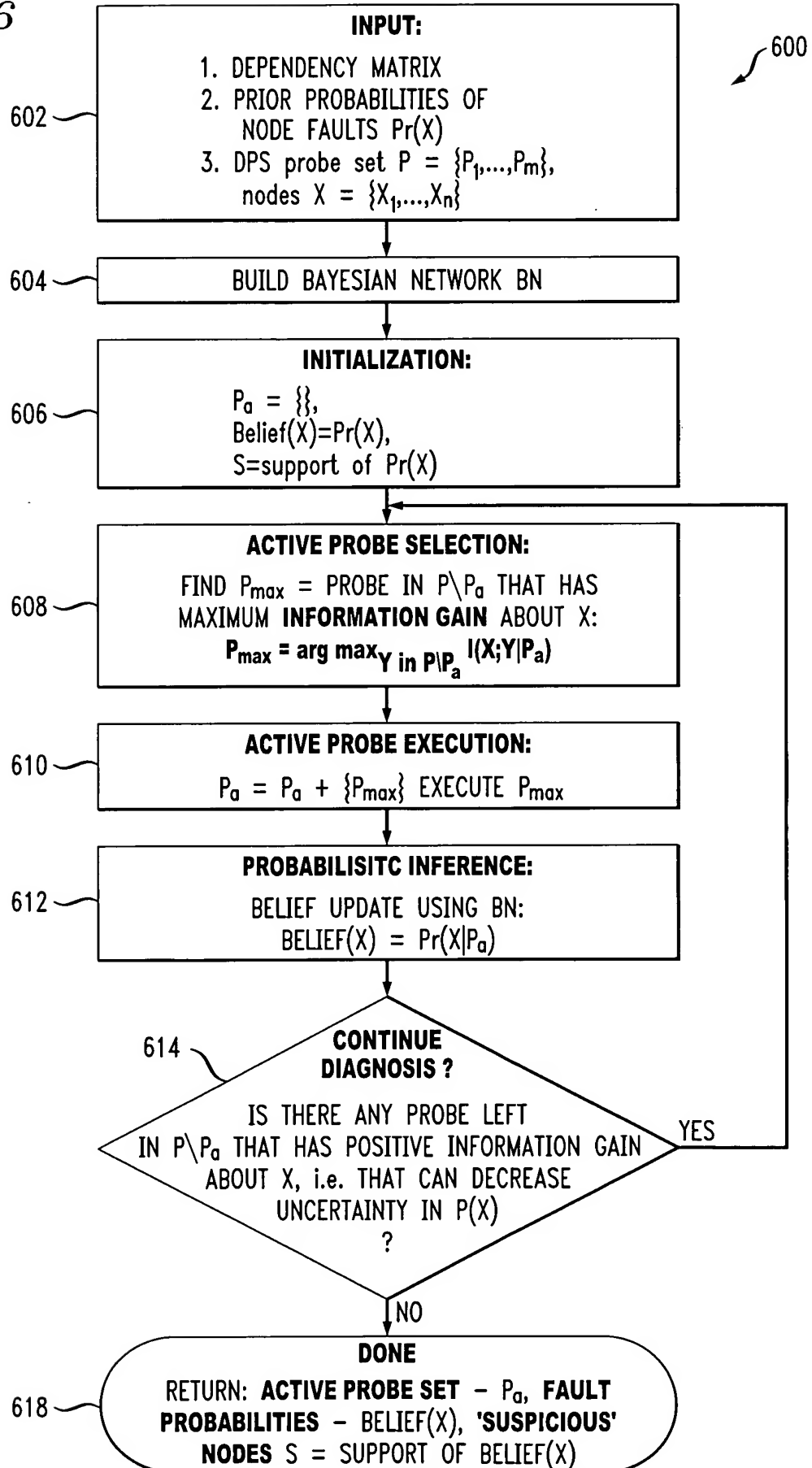
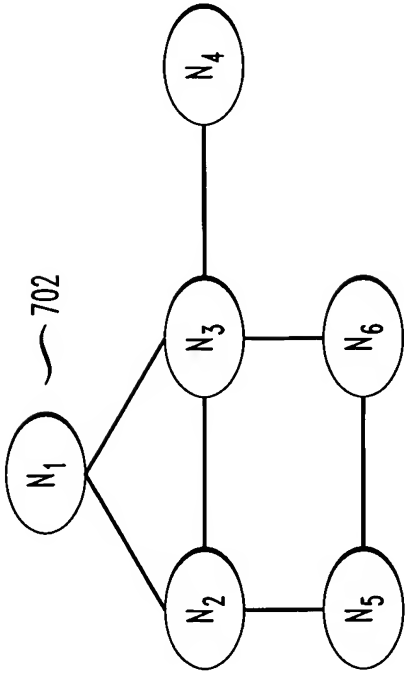


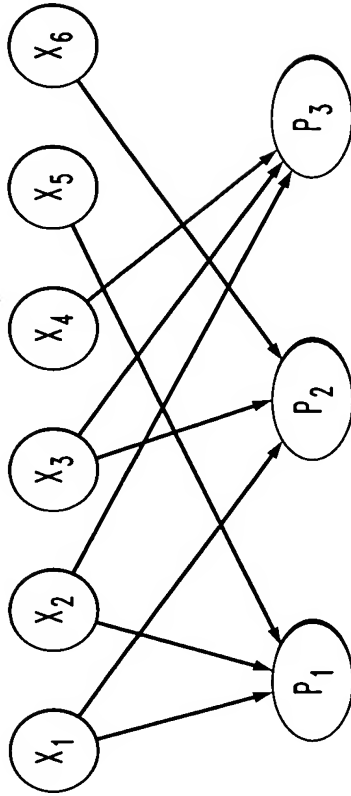
FIG. 7



DEPENDENCY MATRIX ~ 704

	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>	N <sub>6</sub>
PROBE <sub>1</sub> = P <sub>15</sub>	1	1	0	0	1	0
PROBE <sub>2</sub> = P <sub>16</sub>	1	0	1	0	0	1
PROBE <sub>3</sub> = P <sub>42</sub>	0	1	1	1	0	0

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$$X_i = \begin{cases} 1 & \text{if } N_i \text{ is OK,} \\ 0 & \text{otherwise} \end{cases}$$

$$P_j = \begin{cases} 1 & \text{if Probe}_j \text{ is OK,} \\ 0 & \text{otherwise} \end{cases}$$

FIG. 8

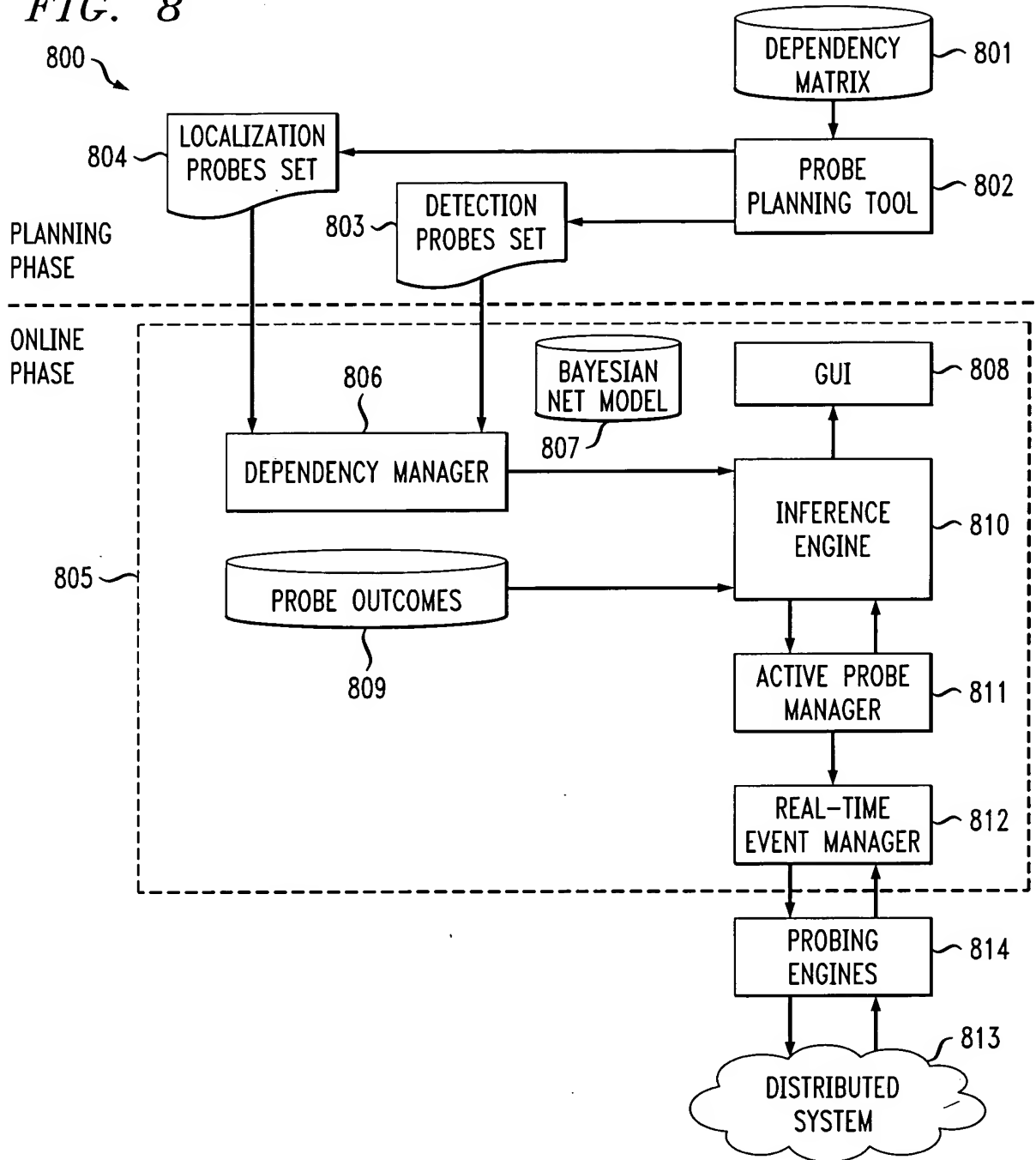


FIG. 9

